

AMENDMENTS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) An optical pickup device comprising:

a housing having an attachment position; and

a beam splitter fixed to the attachment position by adhesive so that an optical axis of the beam splitter coincides with an optical axis of the optical pickup device,

wherein the housing has a projection for positioning the beam splitter at the attachment position by directly abutting the beam splitter, and in the attachment position, [[and]] a plurality of through holes [[are]] defined so as to be suitable for inserting therein a plurality of projection sticks [[or]] for positioning the beam splitter.

2. (Previously Presented) The device of claim 1, wherein the housing defines at the attachment position, an adhesive housing recess for the adhesive and a reserve recess communicating with the adhesive housing recess for receiving adhesive overflowed from the housing recess.

3. (Previously Presented) The device of claim 2, wherein the adhesive housing recess is disposed about in the center of the attachment position of the housing, and the through holes are disposed around the adhesive housing recess.

4. (Previously Presented) The device of claim 1, further comprising a diffraction mirror attached to the housing and adapted to reflect light from the beam splitter.

5. (Previously Presented) The device of claim 3, wherein the through holes comprise three through holes at three vertexes of an approximately equilateral triangle around the adhesive housing recess.

6. (Previously Presented) The device of claim 3, wherein the through holes comprise two through holes at two vertexes of an approximately equilateral triangle around the adhesive housing recess, and a projection for supporting the beam splitter is at the remaining vertex of the equilateral triangle.

7. (Previously Presented) A method of assembling an optical pickup device, comprising:

(A) applying adhesive to a beam splitter attachment position of a housing of an optical pickup device;

(B) mounting a beam splitter temporarily positioned at the beam splitter attachment position via the adhesive; and

(C) adjusting an angle of an attachment surface of the beam splitter while the adhesive is uncured,

wherein in (C), the angle of the attachment surface of the beam splitter is adjusted so that an optical axis of the beam splitter coincides with an optical axis of the optical pickup device by inserting projection sticks in through holes defined in the beam splitter attachment position and moving the projection sticks relative to the attachment surface while detecting light projected to the beam splitter and reflected by a reflection surface of the beam splitter.

8. (Previously Presented) A method of assembling an optical pickup device comprising:

(A) applying adhesive to a beam splitter attachment position of a housing of an optical pickup device;

(B) mounting a beam splitter temporary positioned at the beam splitter attachment position via the adhesive; and

(C) adjusting an angle of an attachment surface of the beam splitter while the adhesive is uncured,

wherein in (C), the angle of the attachment surface of the beam splitter is adjusted so that an optical axis of the beam splitter coincides with an optical axis of the optical pickup device by inserting projection sticks in through holes defined in the beam splitter attachment position of the housing and moving each of the projection sticks relative to the attachment surface while allowing light projected to and reflected from a diffraction mirror to enter the beam splitter, allowing the light reflected by a reflection surface of the beam splitter to be emitted to a reflection mirror, allowing backlight reflected by the reflection mirror to be reflected by the

beam splitter, allowing the light reflected by the beam splitter to be reflected by the diffraction mirror and detecting the light reflected by the diffraction mirror.

9. (Previously Presented) An apparatus for assembling an optical pickup device, comprising:

a supporting part adapted to support a housing of an optical pickup device;

a projector adapted to project light to a beam splitter which is temporary positioned at a beam splitter attachment position of the housing via an adhesive;

a reflected light detector adapted to detect light projected from the projector and reflected by a reflection surface of the beam splitter; and

a beam splitter angle adjusting unit adapted to adjust the angle of an attachment surface of the beam splitter while the adhesive is uncured,

wherein the beam splitter angle adjusting unit has projection sticks inserted in through holes defined in the beam splitter attachment position of the housing and moved relative to the attachment surface of the beam splitter, for adjusting the angle of the attachment surface so that a an optical axis of the beam splitter coincides with an optical axis of the optical pickup device.

10. (Previously Presented) An apparatus for assembling an optical pickup device comprising:

a supporting unit adapted to support a housing of an optical pickup device;

a projector adapted to project light via a diffraction mirror to a beam splitter positioned at a beam splitter attachment position of the housing via an adhesive;

a reflection mirror adapted to reflect toward the beam splitter light projected from the projector, diffracted by the diffraction mirror, incident on the beam splitter and reflected by a reflection surface of the beam splitter;

a backlight detector provided with the projector and adapted to detect backlight transmitted from the reflection mirror via the beam splitter and the diffraction mirror; and

a beam splitter angle adjusting unit adapted to adjust the angle of an attachment surface of the beam splitter while the adhesive is uncured,

wherein the beam splitter angle adjusting unit has projection sticks inserted in through holes defined in the beam splitter attachment position of the housing and moved relative to the attachment surface of the beam splitter, for adjusting the angle of the attachment surface so that an optical axis of the beam splitter coincides with an optical axis of the optical pickup device,

11. (Previously Presented) The apparatus of claim 9, wherein the projection sticks each has a rounded apex that abuts the attachment surface of the beam splitter.

12. (Canceled).